

☑ SQL Server

☑ Power BI & DAX

☑ Azure with AI

☑ MSBI Stack (SSIS, SSRS & SSAS)

Python Full Stack

☑ 0365

☑ Power Automate

☑ Power Apps

Syllabus & Course

Course Name : Machine Learning

Duration : Weekend (8 weekends) / Weekday (5 weeks)

Delivery Mode : Classroom/Online

Key Features : 500 + Quizzes, Lab Exercises, Projects, Online Account on SDL Cloud

Training Kit : All course related software, Notes, Practice Question & Others

Python with Machine Learning

Machine Learning

Introduction to Machine Learning

- Machine learning
- Overview about scikit-learn package
- Types of ML
- Basic Steps of ML
- ML Algorithms

Data Pre-processing

- Dealing with missing data
- · Identifying missing values
- Imputing missing values
- · Drop samples with missing values
- Handling with categorical data
- Nominal and Ordinal features
- Encoding class labels



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- · One hot encoding
- Split data into training and testing sets
- Feature scaling

Machine Learning Classifiers

- Introduction to Pandas
- K-Nearest Neighbours (KNN)
- Decision tree
- Random forest
- · Support vector machines (SVM)
- Naive Bayes
- Logistic Regression
- · Email Spam Filtering Project

Regression Based Learning

- Simple Regression
- Multiple Regression
- Predicting house prices with Regression

Clustering Based Learning

- Definition
- · Types of clustering
- The k-means clustering algorithm

Natural Language Processing

- Install nltk
- Tokenize words
- Tokenizing sentences
- Stop words with NLTK





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- Stemming words with NLTK
- Twitter Sentiment analysis Project

Working with OpenCV

- Installing openCV
- Reading and writing images
- Applying image filters
- Writing text on images
- Image Manipulations
- Face detection Project
- Speech Recognition Project

End of Content-